

## **ATTACHMENT A**

### **NECEC Transmission Facilities**

As set forth in the Stipulation, the NECEC consists of the following transmission line and substation components, each such component either a core project element or necessary network upgrade. The CPCN for the NECEC shall permit construction of all such project components, as well as any additional related transmission facilities that ISO-NE determines are necessary to meet the requirements of (i) Section I.3.9 of the ISO-NE's Transmission, Markets and Services Tariff; or (ii) the ISO-NE's Capacity Capability Interconnection Standard ("CCIS"), without further Commission review, in this docket or otherwise.

#### **Core Project Elements**

##### **1. Transmission Line Equipment:**

- New 145.3 mile +/-320 kV HVDC Transmission Line from the Canadian Border to a new converter station located on Merrill Road in Lewiston (Section 432)
- New 1.6 mile 345 kV AC Transmission Line from the new Merrill Road Converter Station to the existing Larrabee Road Substation (Section 3007)

##### **2. Substation Equipment:**

- New 345 kV AC to +/-320 kV HVDC 1200MW Merrill Road Converter Station
- Additional 345 kV AC Transmission Line Terminal at the existing Larrabee Road Substation

#### **Network Upgrades:**

##### **1. Transmission Line Equipment:**

- New 26.5 mile 345 kV AC Transmission Line from the existing Coopers Mills Road Substation in Windsor to the existing Maine Yankee Substation in Wiscasset (Section 3027)
- New 0.3 mile 345 kV AC Transmission Line from the existing Surowiec Substation in Pownal to a new substation on Fickett Road in Pownal (Section 3005)
- Rebuild of 9.3 mile 115 kV Section 62 AC Transmission Line from the existing Crowley's Substation in Lewiston to the existing Surowiec Substation

- Rebuild of 16.1 mile 115 kV Section 64 AC Transmission Line from the existing Larrabee Road Substation to the existing Surowiec Substation
- Partial rebuild of 0.8 miles each of 115 kV Sections 60 and 88 AC Transmission Lines outside of the Coopers Mills Road Substation
- Partial rebuild of 0.3 miles of 345 kV Section 392 AC Transmission Line between the Coopers Mills Road Substation and the Maine Yankee Substation and approximately 3.5 miles of reconductor work on existing double circuit lattice steel towers outside of the Maine Yankee Substation
- Partial rebuild of 0.3 miles of 345 kV Section 3025 AC Transmission Line between the Coopers Mills Road Substation and the Larrabee Road Substation
- Partial Rebuild of 0.8 miles of 34.5 kV Section 72 AC Transmission Line outside of the Larrabee Road Substation

## **2. Substation Equipment:**

- Replace existing Larrabee Road 345/115 kV 448MVA autotransformer with a 600MVA autotransformer
- Additional 345 kV AC Transmission Line Terminal at the existing Maine Yankee Substation
- Additional 345 kV AC Transmission Line Terminal and 115 kV switch replacements at the existing Surowiec Substation
- 115 kV switch and bus wire replacements at Crowley's Substation
- New 345 kV Fickett Road Substation with 345 kV +/-200MVAR Static Compensator (STATCOM)
- Additional 345 kV AC Transmission Line Terminal and additional 345 kV +/-200MVAR STATCOM (+/-400MVAR total with the +/-200MVAR existing) at the existing Coopers Mills Road Substation
- Additional 345/115 kV 448MVA Autotransformer, associated 115kV buswork and terminate existing 115 kV Sections 164, 164A, and 165 into 3 new breaker-and-a-half bays at the existing Raven Farm Substation